Laurent Legentil

List of Publications by Citations

37 papers	454 citations	11 h-index	20 g-index
42 ext. papers	531 ext. citations	4.9 avg, IF	3.26 L-index

#	Paper	IF	Citations
37	Molecular Interactions of β(1-3)-Glucans with Their Receptors. *Molecules*, **2015**, 20, 9745-66	4.8	89
36	Natural glycans and glycoconjugates as immunomodulating agents. *Natural Product Reports*, **2011**, 28, 937-52	15.1	37
35	Specific and non-specific enzymes for furanosyl-containing conjugates: biosynthesis, metabolism, and chemo-enzymatic synthesis. *Carbohydrate Research*, **2012**, 356, 44-61	2.9	34
34	Leishmania cell wall as a potent target for antiparasitic drugs. A focus on the glycoconjugates. *Organic and Biomolecular Chemistry*, **2015**, 13, 8393-404	3.9	30
33	Structural and biochemical characterization of the laminarinase ZgLamCGH16 from Zobellia galactanivorans suggests preferred recognition of branched laminarin. *Acta Crystallographica Section D: Biological Crystallography*, **2015**, 71, 173-84		29
32	Two-step synthesis of per-O-acetylfuranoses: optimization and rationalization. *Journal of Organic Chemistry*, **2012**, 77, 1301-7	4.2	22
31	Probing β(1-3)-D-glucans interactions with recombinant human receptors using high-resolution NMR studies. *Carbohydrate Research*, **2011**, 346, 1490-4	2.9	22
30	Exploring the synthetic potency of the first furanothioglycoligase through original remote activation. *Organic and Biomolecular Chemistry*, **2011**, 9, 8371-8	3.9	20
29	Studies of a furanoside as antimycobacterial agent loaded into a biodegradable PBAT/sodium caseinate support. *Carbohydrate Research*, **2011**, 346, 1541-5	2.9	14
28	An ethoxylated surfactant enhances the penetration of the sulfated laminarin through leaf cuticle and stomata, leading to increased induced resistance against grapevine downy mildew. *Physiologia Plantarum*, **2016**, 156, 338-50	4.6	14
27	Alkyl galactofuranosides strongly interact with Leishmania donovani membrane and provide antileishmanial activity. *Antimicrobial Agents and Chemotherapy*, **2014**, 58, 2156-66	5.9	13
26	Oligo-β(1 -3)-glucans: impact of thio-bridges on immunostimulating activities and the development of cancer stem cells. *Journal of Medicinal Chemistry*, **2014**, 57, 8280-92	8.3	11
25	Double diastereoselection explains limitations in synthesizing mannose-containing beta-(1,3)-glucans. *Carbohydrate Research*, **2010**, 345, 1366-70	2.9	11
24	Identification of three elicitins and a galactan-based complex polysaccharide from a concentrated culture filtrate of Phytophthora infestans efficient against Pectobacterium atrosepticum. *Molecules* , **2014**, 19, 15374-90	4.8	9
23	Synthetic UDP-furanoses inhibit the growth of the parasite Leishmania. *Carbohydrate Research*, **2010**, 345, 1299-305	2.9	9
22	Identification and Quantification of Any Isoforms of Carbohydrates by 2D UV-MS Fingerprinting of Cold Ions. *Analytical Chemistry*, **2020**, 92, 14624-14632	7.8	9
21	A fully enzymatic esterification/transesterification sequence for the preparation of symmetrical and unsymmetrical trehalose diacyl conjugates. *Green Chemistry*, **2017**, 19, 987-995	10	8

20	Spectroscopic diagnostic for the ring-size of carbohydrates in the gas phase: furanose and pyranose forms of GalNAc. *Physical Chemistry Chemical Physics*, **2019**, 21, 12460-12467	3.6	8
19	Regioselective Galactofuranosylation for the Synthesis of Disaccharide Patterns Found in Pathogenic Microorganisms. *Journal of Organic Chemistry*, **2017**, 82, 7114-7122	4.2	7
18	Synthesis and evaluation of 1,2-trans alkyl galactofuranoside mimetics as mycobacteriostatic agents. *Organic and Biomolecular Chemistry*, **2015**, 13, 4940-52	3.9	7
17	Multiple-stage Precursor Ion Separation and High Resolution Mass Spectrometry toward Structural Characterization of 2,3-Diacyltrehalose Family from Mycobacterium tuberculosis. *Separations*, **2019**, 6, 4	3.1	7
16	Hydrophobized laminarans as new biocompatible anti-oomycete compounds for grapevine protection. *Carbohydrate Polymers*, **2019**, 225, 115224	10.3	6
15	Diversion of a thioglycoligase for the synthesis of 1-O-acyl arabinofuranoses. *Chemical Communications*, **2018**, 54, 5550-5553	5.8	6
14	Direct access to new β-d-galactofuranoconjugates: application to the synthesis of galactofuranosyl-l-cysteine and l-serine. *Tetrahedron Letters*, **2011**, 52, 1121-1123	2	4
13	Regioselective glycosylation: What's new?. *Carbohydrate Chemistry*, **2017**, 104-134	3	4
12	Chapter 19:How recent knowledge on furano-specific enzymes has renewed interest for the synthesis of glycofuranosyl-containing conjugates. *Carbohydrate Chemistry*, **2014**, 401-417	3	4
11	Distinguishing Galactoside Isomers with Mass Spectrometry and Gas-Phase Infrared Spectroscopy. *Journal of the American Chemical Society*, **2021**, 143, 10509-10513	16.4	4
10	Galactofuranosidase from JHA 19 Streptomyces sp.: subcloning and biochemical characterization. *Carbohydrate Research*, **2019**, 480, 35-41	2.9	2
9	Efficient isomerization of methyl arabinofuranosides into corresponding arabinopyranosides in presence of pyridine. *Carbohydrate Research*, **2016**, 433, 63-6	2.9	2
8	Environmentally benign glycosylation of aryl pyranosides and aryl/alkyl furanosides demonstrating the versatility of thermostable CGTase from Thermoanaerobacterium sp.. *Green Chemistry*, **2014**, 16, 3803-3809	10	2
7	Characterization of biodegradable poly(butylene adipate-co-terephtalate)/sodium caseinate films loaded with an alkyl furanoside as antimicrobial agent. *Journal of Materials Science*, **2012**, 47, 5806-5814	4.3	2
6	Synthesis of an Exhaustive Library of Naturally Occurring Gal-Man and Gal-Man Disaccharides. Toward Fingerprinting According to Ring Size by Advanced Mass Spectrometry-Based IM-MS and IRMPD. *Journal of Organic Chemistry*, **2021**, 86, 6390-6405	4.2	2
5	In vitro and in vivo immunomodulatory properties of octyl-β-D-galactofuranoside during Leishmania donovani infection. *Parasites and Vectors*, **2019**, 12, 600	4	2
4	Synthesis and biological properties of galactofuranosyl-containing fluorescent dyes. *Bioorganic and Medicinal Chemistry Letters*, **2017**, 27, 152-155	2.9	1
3	Improvement of the versatility of an arabinofuranosidase against galactofuranose for the synthesis of galactofuranoconjugates. *Organic and Biomolecular Chemistry*, **2019**, 17, 6799-6808	3.9	1

2	6-Deoxy-6-fluoro galactofuranosides: regioselective glycosylation, unexpected reactivity, and anti-leishmanial activity. *Organic and Biomolecular Chemistry*, **2020**, 18, 1462-1475	3.9	1
1	Protecting Group Strategies Toward Glycofuranoses **2019**, 337-370		